

I CLAIM:

1. A tilting support device comprising:

an object including an upper portion and a lower portion,

05 a base including a first end rotatably secured to said lower portion of said object and including a second end,

10 at least one leg including a first end rotatably secured to said upper portion of said object and rotatable between an open working position and a folding position, and

15 a spring member coupled between said second end of said base and said at least one leg for resiliently moving said at least one leg outward to said open working position when said object is rotated relative to said base.

05 2. The tilting support device according to claim 1 further comprising a tube including a first end rotatably secured to said second end of said base and including a second end, said spring member including a first end secured in said second end of said tube and including a second end coupled to said at least one leg.

3. The tilting support device according to claim 2 further comprising a coupler secured on said first end of said at least one leg and including an extension extended therefrom and off-set from said first end of

05 said coupler, said second end of said spring member  
being engaged to said extension.

4. The tilting support device according to claim 1  
further comprising means for damping a rotational  
03 movement between said at least one leg and said object.

5. A tilting support device comprising:

an object including an upper portion and a lower  
portion,

a base including a first end rotatably secured to  
05 said lower portion of said object and including a  
second end,

two legs each including a first end rotatably  
secured to said upper portion of said object and  
rotatable between an open working position and a  
10 folding position, and

a spring member coupled between said second end of  
said base and said legs for resiliently moving said  
legs outward to said open working position when said  
object is rotated relative to said base.

6. The tilting support device according to claim 5  
further comprising a tube including a first end  
rotatably secured to said second end of said base and  
including a second end, said spring member including a  
05 first end secured in said second end of said tube and  
including a second end coupled to said legs.

7. The tilting support device according to claim  
6, wherein said second end of said spring member

03 includes two arms coupled to said legs respectively.

8. The tilting support device according to claim 7 further comprising two couplers secured on said first ends of said legs respectively and each including an extension extended therefrom and off-set from said  
05 first end of said coupler, said arms of said spring member being engaged to said extensions respectively.

9. The tilting support device according to claim 5 further comprising means for damping a rotational  
03 movement between said legs and said object.

10. A tilting support device comprising:  
an object,

at least one leg including a first end rotatably secured to said upper portion of said object and  
05 rotatable between an open working position and a folding position, and

means for damping a rotational movement between said at least one leg and said object.

11. The tilting support device according to claim 10, wherein said object includes a shaft provided thereon, said at least one leg includes a sleeve provided thereon and rotatably engaged on said shaft,  
05 said damping means includes a damping fluid received in said sleeve for damping a rotational movement of said sleeve relative to said shaft.

12. The tilting support device according to claim 11, wherein said object includes a seat secured thereon

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and having said shaft extended from said seat, said at  
least one leg includes a coupler secured thereon and  
05 having said sleeve provided thereon for rotatably  
engaged on said shaft of said seat.

13. The tilting support device according to claim  
11, wherein said shaft includes a bore formed therein  
and includes an outer peripheral portion having at  
least one recess formed therein, and includes at least  
05 one aperture formed therein for communicating said bore  
with said at least one recess of said shaft.

14. The tilting support device according to claim  
11, wherein said damping means further includes a rod  
03 secured to said sleeve and engaged in said shaft.

15. The tilting support device according to claim  
14, wherein said rod includes an outer peripheral  
03 portion having at least one cavity formed therein.

16. The tilting support device according to claim  
14, wherein said sleeve includes a stop provided  
therein, said rod includes a depression formed therein  
for receiving said stop and for preventing said rod  
05 from rotating relative to said sleeve.

17. The tilting support device according to claim  
10, wherein said object includes a lower portion, said  
support device further includes a base having a first  
end rotatably secured to said lower portion of said  
05 object and having a second end, and a spring member  
coupled between said second end of said base and said

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cont

at least one leg for resiliently moving said at least one leg outward to said open working position when said object is rotated relative to said base.

05 18. The tilting support device according to claim 17 further comprising a tube including a first end rotatably secured to said second end of said base and including a second end, said spring member including a first end secured in said second end of said tube and including a second end coupled to said at least one leg.

05 19. The tilting support device according to claim 18 further comprising a coupler secured on said first end of said at least one leg and including an extension extended therefrom and off-set from said first end of said coupler, said second end of said spring member being engaged to said extension.

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